District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: COG Operating LLC Telephone: 432-685-4340 e-mail address: KCarrillo@conchoresources.com
Address: Tasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701
Facility or well name: Moose 23 Federal #1Y API #: 30-015-35755 U/L or Qtr/Qtr L Sec 23 T 16S R 28E
County: Eddy Latitude: N 32° 54' 22" Longitude: W 104° 09' 07" NAD 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness: 12 mil Clay ☐ Pit Volume: 30,000 bbl	Volume: _____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) greater than 100'	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more - X	(20 points) (10 points) (0 points) 0
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes No - X	(20 points) (0 points) 0
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more - X	(20 points) (10 points) (0 points) 0
	Ranking Score (Total Points)	0 points

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations

Closed by trench burial on 5-11-08, approval by Mike Bratcher
Field sampling of the pit indicated that high levels of chloride remain in the entire bottom of the pit. Due to very hard rock conditions, the entire pit area was dug out to a depth
12'. The entire pit was then lined with 20 mil sand bedded plastic. The material pushed out of the pit was placed back on the liner. The area was then capped with 20 mil
, bedded with sand and backfilled. A monitor well was drilled drilled to 150' on Feb. 26, 2008 and when checked on March 5, 2008 was found to be dry.
The cuttings were placed in a lined burial trench on the east side of the reserve pit area.
Field sample and lab results are attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 5-27-08
Printed Name/Title: Gary Miller, Agent Signature: _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval
Printed Name/Title _____ Signature _____ Date: MAY 29 2008

Accepted for record
NMOCD

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number: 3233 **Date:** 2.12.08

Client: COG Oper.

Well Name Moose 23 Fed #1Y

API# 30-015-25332

Depth of Pit 8'

Depth to Groundwater

Orientation of pit (N) S E W

All pit sample depths are *below pit bottom* (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2	19500	
	5	16500	
	10	16100	
Rock	12	10750	12200
NW	2	9500	
	5	10700	
	10	9550	
Rock	12	5500	15300
SE	2	12600	
	5	6500	
	10	9300	
Rock	12	5200	7320
SW	2	10750	
	5	12850	
	10	11400	
Rock	12	11000	13100
Center	2	10500	
	5	8500	
	10	14200	
Rock	12	22850	
		4500	9410

DNR- Did not run at lab.
BGS- Below Ground Surface
BPB- Below Pit Bottom

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number: 3233 **Date:** 2-12-08

Client: COG Operating

Well Name Moose 23 Fed #1Y

API#

Depth of Pit

Depth to Groundwater

Orientation of pit N S E W

All pit sample depths are *below pit bottom* (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
Center E	2	20600	
	5	16500	
	10	N Sample	
	12	9500	22500
Center W	2	12000	
	5	11850	
	10	11300	
Rock	12	11750	11600

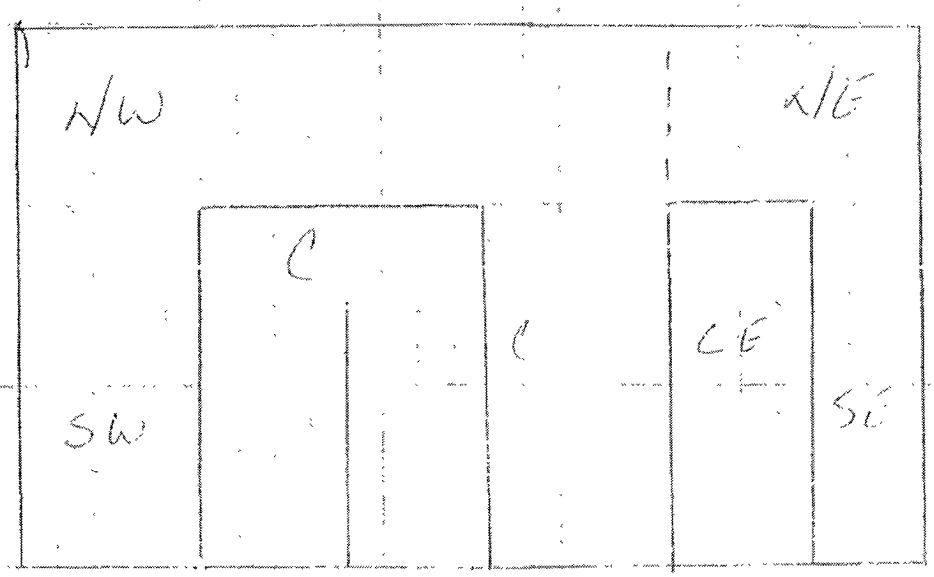
DNR- Did not run at lab.
BGS- Below Ground Surface
BPB- Below Pit Bottom

Highlander Environmental Corp.

Midland, Texas

CLIENT: COG Oper JOB NO. 3233 PAGE: 3 OF 3

SUBJECT: Moose 23 Fed #1Y DATE: 2-12-09 NAME:



Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: March 21, 2008

Work Order: 8032008

Project Location: Eddy County, NM
Project Name: COG-Moose 23 Fed #1
Project Number: 3233

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
154126	NE 0-2'	soil	2008-03-13	00:00	2008-03-19
154127	NW 0-2'	soil	2008-03-13	00:00	2008-03-19
154128	SE 0-2'	soil	2008-03-13	00:00	2008-03-19
154129	SW 0-2'	soil	2008-03-13	00:00	2008-03-19
154130	CENTER 0-2'	soil	2008-03-13	00:00	2008-03-19
154131	CENTER E 0-2'	soil	2008-03-13	00:00	2008-03-19
154132	CENTER W 0-2'	soil	2008-03-13	00:00	2008-03-19

Sample: 154126 - NE 0-2'

Param	Flag	Result	Units	RL
Chloride		**9590**	mg/Kg	2.00

Sample: 154127 - NW 0-2'

Param	Flag	Result	Units	RL
Chloride		**9850**	mg/Kg	2.00

Sample: 154128 - SE 0-2'

Param	Flag	Result	Units	RL
Chloride		**8320**	mg/Kg	2.00

Sample: 154129 - SW 0-2'

Param	Flag	Result	Units	RL
Chloride		**8440**	mg/Kg	2.00

Sample: 154130 - CENTER 0-2'

Param	Flag	Result	Units	RL
Chloride		**7320**	mg/Kg	2.00

Sample: 154131 - CENTER E 0-2'

Param	Flag	Result	Units	RL
Chloride		**5280**	mg/Kg	2.00

Sample: 154132 - CENTER W 0-2'

Param	Flag	Result	Units	RL
Chloride		**6550**	mg/Kg	2.00

Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: February 21, 2008

Work Order: 8021810

Project Location: Eddy County, NM
Project Name: COG-Moose 23 Fed #1
Project Number: 3233

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
150874	NE-12'	soil	2008-02-11	00:00	2008-02-15
150875	NW-12'	soil	2008-02-11	00:00	2008-02-15
150876	SE-12'	soil	2008-02-11	00:00	2008-02-15
150877	SW-12'	soil	2008-02-11	00:00	2008-02-15
150878	C-12'	soil	2008-02-11	00:00	2008-02-15
150879	CE-12'	soil	2008-02-11	00:00	2008-02-15
150880	CW-12'	soil	2008-02-11	00:00	2008-02-15

Sample: 150874 - NE-12'

Param	Flag	Result	Units	RL
Chloride		**12200**	mg/Kg	1.00

Sample: 150875 - NW-12'

Param	Flag	Result	Units	RL
Chloride		**15300**	mg/Kg	1.00

Sample: 150876 - SE-12'

Param	Flag	Result	Units	RL
Chloride		**7320**	mg/Kg	1.00

Sample: 150877 - SW-12'

Param	Flag	Result	Units	RL
Chloride		**13100**	mg/Kg	1.00

Sample: 150878 - C-12'

Param	Flag	Result	Units	RL
Chloride		**9410**	mg/Kg	1.00

Sample: 150879 - CE-12'

Param	Flag	Result	Units	RL
Chloride		**22500**	mg/Kg	1.00

Sample: 150880 - CW-12'

Param	Flag	Result	Units	RL
Chloride		**11600**	mg/Kg	1.00